

## SHSD Job Risk Assessment

<b>Job Number:</b> SHSD-JRA-06 <b>Job Title:</b> Tier1, ERE, ORR, BORE, Laser, and Sanitation Inspections	Point Value → Parameter ↓	1	2	3	4	5
<b>Job Description:</b> Conducting field walk-thru inspections in the field for identifying and preliminary assessing of IH & SEG hazards	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Name(s) of Risk Team Members:</b> C. Weilandics; F. Horn; J. Peters; D. Robbins; K. Erickson; R. Selvey; N. Bernholc; J. Peters; R. Wilson; E. Lacina; A. Piper	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional): <b>JTA-HP-40B</b> Applicable Standard Operating Procedures:	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: R. Selvey      Date: 03/13/06      Rev. #: 1						
<b>Stressors (if applicable, please list all)</b> Environmental conditions on some outdoor work		<b>Reason for Revision (if applicable):</b> In beginning the planned JRA Laser Inspection, it was determined that it duplicated nearly all hazards and controls. This JRA now adds Laser Inspections			<b>Comments:</b> 03/13/06 team consisted of C. Weilandics; A. Piper; R. Selvey	

		Without Controls						Before Additional Controls							After Additional Controls						
Job Step / Task	Hazard	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Preparing for field work reviewing plans, documentation, etc.	Typical office work hazards- trips, falls, ergonomic, VDT eye strain	1	3	1	1	3	none	N	3	1	1	1	3								
Collecting and donning PPE for field exposure	Falling objects from IH shelves, ergo strain, pinch, abrade of sharp edges	1	3	2	1	6	ergo training, toe boards on shelves	N	1	3	2	1	6								
Travel to and from	JRA for vehicular travel	-	-	-	-	-	-	-	-	-	-	-	-								

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Exposure to Site hazards	Potential exposure to site hazards: Noise, lead, chemicals, radiological, biohazards, NIR, SMF	1	3	3	3	27	PPE for surface and air contaminants, RWP	Y	1	3	2	1	6								
	natural hazards in the environment- bees, asbestos, heat, vectors	1	3	2	2	12	PPE such as barrier to insects, sprays, respiratory protection in crawl spaces	Y	1	3	2	1	6								
Walking into and out of buildings and within building	See Walking JRA	-	-	-	-	-	-	-	-	-	-	-	-								
Inspecting Areas, (including tours of labs, offices, shops, storage areas, roofs, basements, crawl spaces)	Increased potential for exposure to site hazards from inspection actions (especially lead, chemicals, radiological, Lasers)	1	2	3	3	18	PPE for surface and air contaminants, RWP, awareness to location of eyewash/shower in area	Y	1	3	2	1	6								
	Falls on access to viewing points	1	2	4	2	16	Ladder safety training; authority to refuse hazardous locations	N	1	2	4	1	8								
	Pinch, bumps, bruises, falls, ergo strains, slips/trips	1	3	3	3	27	Assistance from others on moving lads, PPE	Y	1	3	2	2	12								
Testing 110V receptacles for proper wiring (optional activity)	Electrical shock; reflex reaction injury	1	2	4	3	24	Use of NRTL devices, limit to testing outlets and cords of 110V equipment	N	1	2	4	1	8								

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Entering ODH or non-permitted confined spaces	Asphyxiation, chemical and biohazard airborne contaminants	1	1	3	3	9	CS and ODH Training and required precautions in those programs	N	1	1	3	1	3								

### Further Description of Controls Added to Reduce Risk:

SHSD IH Group Policy on minimum PPE for IH Group members for this task is set at: Safety Glasses with Side Shields, Safety Shoes and Hard hat for construction areas.

### Lesson Learned from this Risk Assessment:

1. IH Group needed an internal policy on minimum PPE for this task.
2. IH Group needed an internal policy on electrical system testing- with a limit to test 110V outlets only.
3. The JTA-HP-40B needed to be upgraded with 7 additional classes: CAD Access; NSLS Access; Electrical Safety 1; Laser Safety; Fall Protection; Ladder Safety; Confined Space Principles.

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable